

Converting Colors

$Y_{xy}(19.0297, 0.2278, 0.1830)$

Have a look what the booklet for
Yxy(19.0297, 0.2278, 0.1830)
contains.

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Color

Yxy(19.0197, 0.2273, 0.1826)

Conversions

Conversions Part 1

Format	Color
Hex	726DCF
RGB	114, 109, 207
RGB Percent	45%, 43%, 81%
CMY	0.5528, 0.5726, 0.1882
CMYK	0.45, 0.47, 0.00, 0.19
HSL	243°, 51%, 62%
HSV	243°, 47%, 81%
XYZ	23.6757, 19.0197, 61.4651
YIQ	121.6670, -28.4780, 31.5380

Conversions

Conversions Part 2

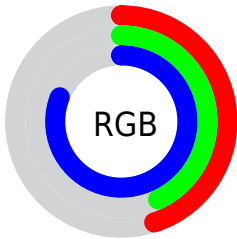
Format	Color
RYB	114, 109, 207
Decimal	7499215
CIELab	50.71, 27.06, -50.27
CIELCh	51, 57.092, 298.287
Yxy	19.0197, 0.2273, 0.1826
Android (android.graphics.Color)	4285689295 (0xFF726DCF)
YUV	121.6670, 42.0692, -6.7240
Hunter-Lab	43.6116, 20.5831, -53.0338

Details

The Yxy color **19.0197, 0.2273, 0.1826** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **58.2889, 0.3778, 0.4456**, and the grayscale version is **19.2175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2558, 0.2510, 0.2186**, and **6.4743, 0.1963, 0.1408** is the 20% darker color. If you saturate the color by 10%, you get **13.9333, 0.2066, 0.1481**, and if you desaturate by 10%, it is **25.4299, 0.2481, 0.2177**.

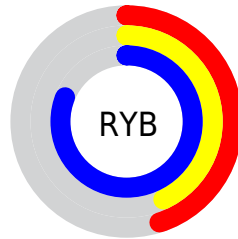
Distribution



Red (45%)

Green (43%)

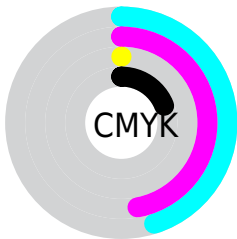
Blue (81%)



Red (45%)

Yellow (43%)

Blue (81%)

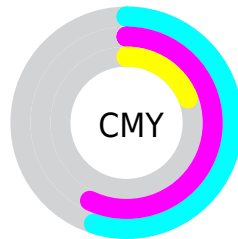


Cyan (45%)

Magenta (47%)

Yellow (0%)

Black (19%)



Cyan (55%)

Magenta (57%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0197, 0.2273, 0.1826 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.0197, 0.2273, 0.1826 by changing the saturation by 10% instead.

■ 19.0197, 0.2273,
0.1826

■ 19.0197, 0.2273,
0.1826

■ 246.5575, 0.2752,
0.2573

■ 11.6845, 0.2141,
0.1644

■ 41.7674, 0.2457,
0.2096

■ 6.5292, 0.1967,
0.1418

■ 57.9487, 0.2524,
0.2199

■ 3.1695, 0.1731,
0.1134

■ 77.8475, 0.2578,
0.2285

■ 1.2208, 0.1404,
0.0784

■ 101.8481, 0.2624,
0.2360

■ 0.0786, 0.0974,
0.0104

■ 130.3351, 0.2663,
0.2424

■ 0.0000, 0.0000,
0.0000

163.6927, 0.2697,

0.2480

202.3054, 0.2726,
0.2529

■ 19.0197, 0.2273,
0.1826

■ 19.0197, 0.2273,
0.1826

■ 13.9333, 0.2066,
0.1481

■ 25.4299, 0.2481,
0.2177

■ 10.0765, 0.1874,
0.1166

■ 33.2456, 0.2679,
0.2514

■ 7.3455, 0.1712,
0.0908

■ 42.5440, 0.2860,
0.2825


■ 5.6188, 0.1594,
0.0726


■ 53.3964, 0.3021,
0.3105

■ 4.7337, 0.1526,
0.0626

■ 65.8692, 0.3163,
0.3352

 4.5747, 0.1514,
0.0608

 80.0251, 0.3285,
0.3567

 95.9235, 0.3390,
0.3754

 97.2858, 0.3412,
0.3760

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.0197, 0.1673, 0.1792



19.0197, 0.2273, 0.1826



19.0197, 0.3229, 0.2127

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.0197, 0.2273, 0.1826



19.0197, 0.5141, 0.4016



19.0197, 0.1934, 0.3952

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.0197, 0.2273, 0.1826



58.2889, 0.3778, 0.4456

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.0197, 0.2748, 0.5037



19.0197, 0.2273, 0.1826



19.0197, 0.4592, 0.4747

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.0197, 0.2273, 0.1826



19.0197, 0.5090, 0.3302



19.0197, 0.3717, 0.5261



19.0197, 0.1489, 0.2789

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.0197, 0.2273, 0.1826



19.0197, 0.3978, 0.2456



19.0197, 0.3717, 0.5261



19.0197, 0.2171, 0.4369

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.0204, 0.2273, 0.1826



73.4340, 0.2913, 0.2918



50.0513, 0.2491, 0.3220



14.9396, 0.2877, 0.2855



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.0204, 0.2273, 0.1826



22.0884, 0.2059, 0.1470



23.2165, 0.2722, 0.1986



11.4463, 0.2990, 0.3050



2.8943, 0.1518, 0.0610



0.1723, 0.1575, 0.0641

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.4647, 0.3233, 0.2199



39.0832, 0.3258, 0.2001



52.5196, 0.3373, 0.4634



11.9981, 0.3146, 0.3073



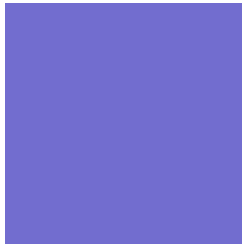
10.8827, 0.3342, 0.1615



0.6118, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 19.0197, 0.2273, 0.1826 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.0197, 0.2273, 0.1826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

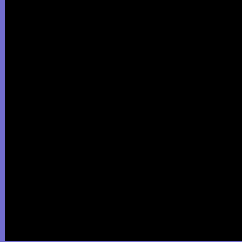
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.0197, 0.2273, 0.1826

Background



This preview shows how black text looks on a background with the Yxy color 19.0197, 0.2273, 0.1826.



This preview shows how white text looks on a background with the Yxy color 19.0197, 0.2273, 0.1826.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.0197, 0.2273, 0.1826

Protanopia

19.0847, 0.1998, 0.1777

Deuteranopia

19.2708, 0.2001, 0.1949



Tritanopia

19.1322, 0.2687, 0.3093

Trichromacy



Original Color

19.0197, 0.2273, 0.1826

Protanomaly

18.9119, 0.2083, 0.1789

Deuteranomaly

18.8358, 0.2072, 0.1887

Tritanomaly

18.8664, 0.2515, 0.2535

Monochromacy



Original Color

19.0197, 0.2273, 0.1826

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.9444, 0.2761, 0.2653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0197, 0.2273, 0.1826 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(114, 109, 207)` looks like.

```
.text, #text, p{  
    color:rgb(114, 109, 207)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(114, 109, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 109, 207) }
```

Border

The CSS property to change the border of an element to Yxy 19.0197, 0.2273, 0.1826 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 109, 207) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(114, 109, 207) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(114, 109, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 109, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 109, 207);  
box-shadow:4px 4px 4px 4px rgb(114, 109,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0197, 0.2273, 0.1826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 109, 207) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(114,  
109, 207) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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